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## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	ACTION as	see Form PCT/ISA/220 s well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year	(Earliest) Priority Date (day/month/year)
PCT/GB2005/000810	03/03/2005	04/03/2004
Applicant HUBBELL LIMITED		
	has been prepared by this International Searching being transmitted to the International Bureau.	Authority and is transmitted to the applicant
This International Search Report  It is also accomp	consists of a total of sheets.	
	anled by a copy of each prior art document cited in	this report.
<ol> <li>Basis of the report</li> <li>With regard to the language in which it was to</li> </ol>	age, the international search was carried out on the filed, unless otherwise indicated under this item.	basis of the International application in the
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b. With regard to any	y nucleotide and/or amino acid sequence disclos	ed in the International application, see Box No. I.
	ere found unsearchable (See Box II).	
3. Unity of invention	n is lacking (see Box III).	
f. With regard to the title,		
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INTERNATIONAL SEARCH REPORT

PCT/GB2005/000810

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

10/591528

A method and apparatus for characterising a three phase transformer(3) using a single phase power supply(1). Pairs of input terminals(H0-H3) of the transformer are sequentially energised for each energisation and the voltage between pairs of output terminals(x0-x3) of the transformer are measured. Measured voltages are processed in order to characterise the winding configuration of the transformer. Either simultaneously or subsequently the presence of neutrals on the primary and/or secondary side of the transformer are identified to enable the winding configuration to be further characterised. Subsequently any phase displacement of the transformer is determined. The apparatus comprises means(2) for selectively applying a single phase power supply(1) to pairs of terminals(H0-H3) on the transformer(3) and for measuring voltages between pairs of terminals(x0-x3) of the transformer and for measuring phase difference between the primary and secondary sides of the transformer all under automatic control of a control means(13) which includes a processing means to process measured voltages and phase differences in order to characterise the transformer.

Form PCT/ISA/210 (continuation of first sheet (3)) (January 2004)

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#### INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2005/000810

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